

Message

From: Lisa Rector [lrector@nescaum.org]
Sent: 5/22/2020 3:16:49 PM
To: Johnson, Steffan [johnson.steffan@epa.gov]
Subject: question about testing

Stef, per the snip from a report below, it appears that the manufacturer used the testing to determine design specifications for the stove. Do design elements need to be finalized prior to testing or can design specifications be set based on testing?

Settings & Run Notes

	Pre-Burn Air Setting	Test Run Air and Fan Settings*
Run 1	Adjustable Primary Air Control (PAC) open 0.883" from fully closed	Adjustable PAC open 0.383" from fully closed, fan on turned on to low setting.
Run 2	Adjustable PAC open 0.133"	Adjustable PAC open 0.133", fan on turned on to low setting.
Run 3	Adjustable PAC open 5/84"	Adjustable PAC open 5/84", fan on turned on to low setting.
Run 4	Adjustable PAC open 0.126"	Adjustable PAC open 0.126", fan on turned on to low setting.
Run 5	Adjustable PAC fully open	Adjustable PAC fully open fan on high setting.
Run 6	Adjustable PAC open 0.126"	Adjustable PAC open 0.126", fan off, fan confirmation test.

*The fixed stop on this prototype design was moved several times during testing in attempts to meet burn rate requirements. All measurements above are references from a completely closed position, production models have a fixed stop at 0.126" from completely closed, see Appendix D for further detail.



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